

EMARO - European Master in Advanced Robotics

2008-0090 / Duration: 2 years

Summary description:

The aim of this partnership application is to consolidate the European Consortium of EMARO master course with Asian partners. Duration of the partnership is three years. English is the working language in all the partnership institutions. Objectives of EMARO partnership:

- to enhance the skills and encourage the mobility of European students, scholars and administrators involved in EMARO,
- to increase the availability of information about EMARO and Erasmus Mundus programme showing their attractiveness,
- to consolidate academic exchange, facilitate the transfer of research expertise and teaching methods in advanced robotics between the European and third-country partners, and to offer supplementary specialisation courses for all the partners (European and third-country).
- to encourage the creation of a basis for future development, including: common curricula and courses/modules; agreements on credit transfer and mutual degree recognition, and reciprocal access to higher education,
- to give European students an opportunity to experience a new academic environment and culture. Europe needs engineers and researchers knowing Chinese, Japanese and Thai cultures and economical systems.

Role of third-country institutions:

- hosting European students and co-supervising their research work,
- teaching new courses in European institutions (called visiting courses), the courses will be scheduled in the first three semesters of EMARO Masters program. One course per semester in each European institution.
- hosting European scholars, in order to carry out joint research work, to provide courses to local students, and to exchange experience in teaching methods.

Outgoing European students mobility: an average 12 European students per year will do a part of their research work in partner institutions (4 per institution).

Each mobility is planned for 3 months, during the fourth semester European Scholars outgoing mobility: First year: 4 scholars will go to partner institutions for 1 month each, Second and third year: 3 scholars will go to partner institutions for 1 month each, and 3 scholars will go to partner institutions for 2 months each, Selection criteria for students: - the selection will be based on the scientific potential, the research plan of the student, language skills, and motivation.

Selection Criteria for scholars: - the selection will be based on the level of participation in EMARO activities, relevant research achievements, educational experience, motivation, and potential to contribute to the development of the partnership.

European Partners:

- (1) Ecole Centrale de Nantes (FR)
- (2) Università Di Genova (IT)
- (3) Politechnika Warszawaska (PL)

Third-Countries Partner Institutions:

- (1) Asian Institute of Technology (Thailand)
- (2) Keio University (Japan)
- (3) Shanghai Jiao Tong University (China)

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